CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/921,397

CRF Processing Date: 3/18/2002
Edited by: /M
Verified by: /M (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII

- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

- ☐ Edited a format error in the Current Application Data section, specifically: _____

- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

- ☐ Added the mandatory heading and subheadings for "Current Application Data".

- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____

- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____

- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____

- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

- ☐ Inserted colons after headings/subheadings. Headings edited included: _____

- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____

- ☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.

- ☐ Inserted mandatory headings, specifically: _____

- ☐ Corrected an obvious error in the response, specifically: _____

- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

- ☐ Corrected an error in the Number of Sequences field, specifically: _____

- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.
3/1/95

RECEIVED

MAR 2 2 2002

TECH CENTER 1600/2900

1646

RAW SEQUENCE LISTING   DATE: 03/18/2002
PATENT APPLICATION: US/09/921,397   TIME: 18:06:05

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\03182002\I921397.raw**

```
 3 <110> APPLICANT: HYBRIGENICS
 5 <120> TITLE OF INVENTION: SID nucleic acids and polypeptides selected from a
 6       pathogenic strain of the hepatitis C virus and
 7       applications thereof
 9 <130> FILE REFERENCE: B4809A - JAZ
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/921,397
12 <141> CURRENT FILING DATE: 2001-08-02
14 <150> PRIOR APPLICATION NUMBER: EP 00402225.7
15 <151> PRIOR FILING DATE: 2000-08-03
17 <160> NUMBER OF SEQ ID NOS: 156
19 <170> SOFTWARE: PatentIn Ver. 2.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 50
23 <212> TYPE: PRT
24 <213> ORGANISM: Hepatitis C virus
26 <400> SEQUENCE: 1
27 Leu Leu Pro Arg Arg Gly Pro Arg Leu Gly Val Arg Ala Thr Arg Lys
28  1           5               10              15
30 Thr Ser Glu Arg Ser Gln Pro Arg Gly Arg Arg Gln Pro Ile Pro Lys
31            20             25              30
33 Ala Arg Arg Pro Glu Gly Arg Thr Trp Ala Gln Pro Gly Tyr Pro Trp
34         35          40              45
36 Pro Leu
37      50
41 <210> SEQ ID NO: 2
42 <211> LENGTH: 35
43 <212> TYPE: PRT
44 <213> ORGANISM: Hepatitis C virus
46 <400> SEQUENCE: 2
47 Gly Arg Gly Lys Pro Gly Ile Tyr Arg Phe Val Ala Pro Gly Glu Arg
48  1           5               10              15
50 Pro Ser Gly Met Phe Asp Ser Ser Val Leu Cys Glu Cys Tyr Asp Ala
51            20             25              30
53 Gly Cys Ala
54         35
58 <210> SEQ ID NO: 3
59 <211> LENGTH: 77
60 <212> TYPE: PRT
61 <213> ORGANISM: Hepatitis C virus
63 <400> SEQUENCE: 3
64 Asn Thr Asn Arg Arg Pro Gln Asp Val Lys Phe Pro Gly Gly Gly Gln
65  1           5               10              15
67 Ile Val Gly Gly Val Tyr Leu Leu Pro Arg Arg Gly Pro Arg Leu Gly
```

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Input Set : A:\PTO.AMC.txt
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```
68            20              25                30
70 Val Arg Ala Thr Arg Lys Thr Ser Glu Arg Ser Gln Pro Arg Gly Arg
71         35              40                45
73 Arg Gln Pro Ile Pro Lys Ala Arg Arg Pro Glu Gly Arg Thr Trp Ala
74      50              55                60
76 Gln Pro Gly Tyr Pro Trp Pro Leu Tyr Gly Asn Glu Gly
77 65              70                75
81 <210> SEQ ID NO: 4
82 <211> LENGTH: 37
83 <212> TYPE: PRT
84 <213> ORGANISM: Hepatitis C virus
86 <400> SEQUENCE: 4
87 Pro Ser Pro Val Val Val Gly Thr Thr Asp Arg Ser Gly Ala Pro Thr
88 1              5              10                15
90 Tyr Ser Trp Gly Ala Asn Asp Thr Asp Val Phe Val Leu Asn Asn Thr
91              20              25                30
93 Arg Pro Pro Leu Gly
94         35
98 <210> SEQ ID NO: 5
99 <211> LENGTH: 150
100 <212> TYPE: PRT
101 <213> ORGANISM: Hepatitis C virus
103 <400> SEQUENCE: 5
104 Ser Arg Thr Gln Arg Arg Gly Arg Thr Gly Arg Gly Lys Pro Gly Ile
105   1              5              10                15
107 Tyr Arg Phe Val Ala Pro Gly Glu Arg Pro Ser Gly Met Phe Asp Ser
108              20              25                30
110 Ser Val Leu Cys Glu Cys Tyr Asp Ala Gly Cys Ala Trp Tyr Glu Leu
111         35              40                45
113 Thr Pro Ala Glu Thr Thr Val Arg Leu Arg Ala Tyr Met Asn Thr Pro
114      50              55                60
116 Gly Leu Pro Val Cys Gln Asp His Leu Glu Phe Trp Glu Gly Val Phe
117 65              70              75                80
119 Thr Gly Leu Thr His Ile Asp Ala His Phe Leu Ser Gln Thr Lys Gln
120              85              90                95
122 Ser Gly Glu Asn Phe Pro Tyr Leu Val Ala Tyr Gln Ala Thr Val Cys
123              100             105               110
125 Ala Arg Ala Gln Ala Pro Pro Pro Ser Trp Asp Gln Met Trp Lys Cys
126         115             120               125
128 Leu Ile Arg Leu Lys Pro Thr Leu His Gly Pro Thr Pro Leu Leu Tyr
129      130             135               140
131 Arg Leu Gly Ala Val Gln
132 145             150
136 <210> SEQ ID NO: 6
137 <211> LENGTH: 28
138 <212> TYPE: PRT
139 <213> ORGANISM: Hepatitis C virus
141 <400> SEQUENCE: 6
142 Pro Ser Pro Val Val Val Gly Thr Thr Asp Arg Ser Gly Ala Pro Thr
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143   1              5                    10                   15
145 Tyr Ser Trp Gly Ala Asn Asp Thr Asp Val Phe Val
146             20                    25
150 <210> SEQ ID NO: 7
151 <211> LENGTH: 26
152 <212> TYPE: PRT
153 <213> ORGANISM: Hepatitis C virus
155 <400> SEQUENCE: 7
156 Pro Pro Arg Pro Cys Gly Ile Val Pro Ala Lys Ser Val Cys Gly Pro
157   1              5                    10                   15
159 Val Tyr Cys Phe Thr Pro Ser Pro Val Val
160             20                    25
164 <210> SEQ ID NO: 8
165 <211> LENGTH: 54
166 <212> TYPE: PRT
167 <213> ORGANISM: Hepatitis C virus
169 <400> SEQUENCE: 8
170 Cys Val Val Ile Val Gly Arg Ile Val Leu Ser Gly Lys Pro Ala Ile
171   1              5                    10                   15
173 Ile Pro Asp Arg Glu Val Leu Tyr Gln Glu Phe Asp Glu Met Glu Glu
174             20                    25        ,          30
176 Cys Ser Gln His Leu Pro Tyr Ile Glu Gln Gly Met Met Leu Ala Glu
177          35                   40                   45
179 Gln Phe Lys Gln Lys Ala
180       50
184 <210> SEQ ID NO: 9
185 <211> LENGTH: 40
186 <212> TYPE: PRT
187 <213> ORGANISM: Hepatitis C virus
189 <400> SEQUENCE: 9
190 Gly Asp Phe Asp Ser Val Ile Asp Cys Asn Thr Cys Val Thr Gln Thr
191   1              5                    10                   15
193 Val Asp Phe Ser Leu Asp Pro Thr Phe Thr Ile Glu Thr Thr Thr Leu
194             20                    25                   30
196 Pro Gln Asp Ala Val Ser Arg Thr
197          35                   40  .
201 <210> SEQ ID NO: 10
202 <211> LENGTH: 28
203 <212> TYPE: PRT
204 <213> ORGANISM: Hepatitis C virus
206 <400> SEQUENCE: 10
207 Glu Arg Pro Ser Gly Met Phe Asp Ser Ser Val Leu Cys Glu Cys Tyr
208   1              5                    10                   15
210 Asp Ala Gly Cys Ala Trp Tyr Glu Leu Thr Pro Ala
211             20                    25
215 <210> SEQ ID NO: 11
216 <211> LENGTH: 27
217 <212> TYPE: PRT
218 <213> ORGANISM: Hepatitis C virus
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Input Set : A:\PTO.AMC.txt
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```
220 <400> SEQUENCE: 11
221 Arg Gly Lys Pro Gly Ile Tyr Arg Phe Val Ala Pro Gly Glu Arg Pro
222    1               5                  10                  15
224 Ser Gly Met Phe Asp Ser Ser Val Leu Cys Glu
225                20                  25
229 <210> SEQ ID NO: 12
230 <211> LENGTH: 42
231 <212> TYPE: PRT
232 <213> ORGANISM: Hepatitis C virus
234 <400> SEQUENCE: 12
235 Leu Glu Asp Ser Val Thr Pro Ile Asp Thr Thr Ile Met Ala Lys Asn
236    1               5                  10                  15
238 Glu Val Phe Cys Val Gln Pro Glu Lys Gly Gly Arg Lys Pro Ala Arg
239                20                  25                  30
241 Leu Ile Val Phe Pro Asp Leu Gly Val Arg
242                35                  40
246 <210> SEQ ID NO: 13
247 <211> LENGTH: 28
248 <212> TYPE: PRT
249 <213> ORGANISM: Hepatitis C virus
251 <400> SEQUENCE: 13
252 Pro Thr Gly Ser Gly Lys Ser Thr Lys Val Pro Ala Ala Tyr Ala Ala
253    1               5                  10                  15
255 Gln Gly Tyr Lys Val Leu Val Leu Asn Pro Ser Val
256                20                  25
260 <210> SEQ ID NO: 14
261 <211> LENGTH: 33
262 <212> TYPE: PRT
263 <213> ORGANISM: Hepatitis C virus
265 <400> SEQUENCE: 14
266 Glu Arg Pro Tyr Cys Trp His Tyr Pro Pro Arg Pro Cys Gly Ile Val
267    1               5                  10                  15
269 Pro Ala Lys Ser Val Cys Gly Pro Val Tyr Cys Phe Thr Pro Ser Pro
270                20                  25                  30
272 Val
277 <210> SEQ ID NO: 15
278 <211> LENGTH: 31
279 <212> TYPE: PRT
280 <213> ORGANISM: Hepatitis C virus
282 <400> SEQUENCE: 15
283 Pro Ser Pro Val Val Val Gly Thr Thr Asp Arg Ser Gly Ala Pro Thr
284    1               5                  10                  15
286 Tyr Ser Trp Gly Ala Asn Asp Thr Asp Val Phe Val Leu Asn Asn
287                20                  25                  30
291 <210> SEQ ID NO: 16
292 <211> LENGTH: 77
293 <212> TYPE: PRT
294 <213> ORGANISM: Hepatitis C virus
296 <400> SEQUENCE: 16
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RAW SEQUENCE LISTING   DATE: 03/18/2002
PATENT APPLICATION: US/09/921,397   TIME: 18:06:05

        Input Set : A:\PTO.AMC.txt
        Output Set: N:\CRF3\03182002\I921397.raw

297 Ala Gly Ala Leu Val Ala Phe Lys Ile Met Ser Gly Glu Val Pro Ser
298   1   5   10   15
300 Thr Glu Asp Leu Val Asn Leu Leu Pro Ala Ile Leu Ser Pro Gly Ala
301   20   25   30
303 Leu Val Val Gly Val Val Cys Ala Ala Ile Leu Arg Arg His Val Gly
304   35   40   45
306 Pro Gly Glu Gly Ala Val Gln Trp Met Asn Arg Leu Ile Ala Phe Ala
307   50   55   60
309 Ser Arg Gly Asn His Val Ser Pro Thr His Tyr Val Pro
310 65   70   75
314 <210> SEQ ID NO: 17
315 <211> LENGTH: 147
316 <212> TYPE: PRT
317 <213> ORGANISM: Hepatitis C virus
319 <400> SEQUENCE: 17
320 Glu Val Gln Ile Val Ser Thr Ala Thr Gln Thr Phe Leu Ala Thr Cys
321   1   5   10   15
323 Ile Asn Gly Val Cys Trp Thr Val Tyr His Gly Ala Gly Thr Arg Thr
324   20   25   30
326 Ile Ala Ser Pro Lys Gly Pro Val Ile Gln Met Tyr Thr Asn Val Asp
327   35   40   45
329 Gln Asp Leu Val Gly Trp Pro Ala Pro Gln Gly Ser Arg Ser Leu Thr
330   50   55   60
332 Pro Cys Thr Cys Gly Ser Ser Asp Leu Tyr Leu Val Thr Arg His Ala
333 65   70   75   80
335 Asp Val Ile Pro Val Arg Arg Arg Gly Asp Ser Arg Gly Ser Leu Leu
336   85   90   95
338 Ser Pro Arg Pro Ile Ser Tyr Leu Lys Gly Ser Ser Gly Gly Pro Leu
339   100   105   110
341 Leu Cys Pro Ala Gly His Ala Val Gly Leu Phe Arg Ala Ala Val Cys
342   115   120   125
344 Thr Arg Gly Val Ala Lys Ala Val Asp Phe Ile Pro Val Glu Asn Leu
345   130   135   140
347 Gly Thr Thr
348 145
352 <210> SEQ ID NO: 18
353 <211> LENGTH: 36
354 <212> TYPE: PRT
355 <213> ORGANISM: Hepatitis C virus
357 <400> SEQUENCE: 18
358 Val Thr Gln Leu Leu Arg Arg Leu His Gln Trp Ile Ser Ser Glu Cys
359   1   5   10   15
361 Thr Thr Pro Cys Ser Gly Ser Trp Leu Arg Asp Ile Trp Asp Trp Ile
362   20   25   30
364 Cys Glu Val Leu
365   35
369 <210> SEQ ID NO: 19
370 <211> LENGTH: 28
371 <212> TYPE: PRT

VERIFICATION SUMMARY   DATE: 03/18/2002
PATENT APPLICATION: **US/09/921,397**   TIME: 18:06:06

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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number